

Appl. No. 10/780,196
Amendment dated September 19, 2005
Response to Final Office Action of March 18, 2005

Amendments to the Claims:

The following listing of claims will replace all prior versions and listings of claims.

1. (Currently Amended): A pavement recycling assembly, comprising:

a frame having left and right side plates, a top plate, and an open bottom for contacting a pavement surface, said frame defining a mixing chamber which is open to said pavement surface, and an opening in said top plate in communication with said mixing chamber;

a flat anvil disposed at a forward end of said frame for engaging said pavement surface, wherein said anvil is movable longitudinally relative to said frame;

a laterally-extending toothed grinding drum rotatably mounted in a grinding chamber in said frame behind said anvil and ahead of said mixing chamber for breaking up and grinding said pavement, wherein the vertical position of said grinding drum is adjustable relative to said frame to change the depth of cut of said grinding drum, and wherein said anvil is coupled to said grinding drum such that said anvil moves rearward as said grinding drum is moved upward and said anvil moves forward as said grinding drum is moved downward;

means for rotating said grinding drum cylinder;

means for introducing fluid asphalt into said frame;

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at least one laterally-extending toothed rotatable mixing wheel having an axis of rotation generally parallel to an axis of rotation of said grinding drum disposed in said mixing chamber for forming a mixture of said fluid asphalt and said ground pavement, said mixing wheel being exposed to said pavement surface;

means for rotating said mixing wheel; and

a screed assembly disposed behind said mixing chamber for extruding said mixture at a desired height so as to form a pavement.

2. (Original): The pavement recycling assembly of claim 1 wherein said means for introducing fluid asphalt comprises at least one row of spray nozzles.

3. (Original): The pavement recycling assembly of claim 2 wherein said row of spray nozzles is disposed above said opening.

4. (Original): The pavement recycling assembly of claim 1 wherein first and second laterally-extending toothed rotatable mixing wheels are disposed in said mixing chamber.

5. (Canceled).

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6. (Canceled).

7. (Canceled).

8. (Original): The pavement recycling assembly of claim 1 further comprising a heater disposed in said frame behind said grinding drum from heating said ground pavement.

9. (Original): The pavement recycling assembly of claim 1 further comprising a vertically adjustable material control gate disposed in said frame behind said mixing chamber for controlling the amount of material flowing into said screed assembly.

10-26 (Canceled).